

X1A SAFETY CHECKLIST			BROOKHAVEN NATIONAL LABORATORY NATIONAL SYNCHROTRON LIGHT SOURCE
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Reviewed by: Ray Raynis		Reviewed by:	Approved by: A. Ackerman

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- ☐ 1. Exclusion Zone #1 (EZ #1) between the shield wall and the X1A mirror tank as per photo. Check from X1B side.
- ☐ 2. The optical covers over the 2.75" and 8" viewports on the X1A mirror tank must be in place as per photo. Check from X1A side.
- ☐ 3. The lead collar between the X1A mirror tank and valve V2 and the lead shield covering the 8" bellows between the X1A and X1B mirror tanks must be in place. Check from X1B side, located under EZ #2.
- ☐ 4. Exclusion zone #2 (EZ #2), between X1A mirror tank and X1B mirror tank as per photo. Check from X1B side.
- ☐ 5. Lead scatter shielding wrapped around the rear section of the X1B mirror tank and the initial section of the X1A beamline as per photo. Check from the X1A side downstream and around valve V3A.
- ☐ 6. The optical covers over the 4.5" and two 10" view ports on the X1B mirror tank must be in place. Check from X1B side. The 4.5" viewport located under EZ#2.
- ☐ 7. The lead backstop must be in place as per photo. This includes lead shielding between cross pipe section and the backstop. Check from X1A side.

Checked by: _____ Date: _____

OPCO: _____ Date: _____